

What is claimed is:

1. A needle-free jet injection device for delivering a fluid into an internal organ, the device comprising:

5 a rigid end effector including at least one injection orifice, the end effector being adapted to be positioned within a prostatic section of a patient's urethra adjacent the patient's prostate gland;

a fluid reservoir in fluid communication with the end effector; and

an ejection mechanism adapted to eject the fluid from the fluid reservoir through
10 the end effector and out of the injection orifice with sufficient pressure to penetrate the prostate gland while preserving functionality of the prostate gland.

2. The device of claim 1, wherein the rigid end effector includes a plurality of injection orifices.

15

3. The device of claim 2, wherein the end effector includes a straight shaft section and a distal section.

4. The device of claim 3, wherein at least some of the injection orifices are
20 located in the distal section.

5. The device of claim 4, wherein all of the injection orifices are located in the distal section.

6. The device of claim 1, wherein the ejection mechanism is further adapted to
5 allow the device to eject multiple doses of fluid without refilling the fluid reservoir.

7. The device of claim 1, wherein the fluid includes ethanol.

8. The device of claim 2, wherein at least some of the injection orifices are
10 arranged linearly along the length of the end effector.

9. The device of claim 1, wherein the injection orifices are arranged in multiple rows along the length of the end effector.

15 10. The device of claim 9, wherein the rows are offset from each other.

11. A needle-free jet injection device for delivering a fluid into an internal organ, the device comprising:

a fluid reservoir;

an extension structure adapted to be inserted within a patient's urethra so that a distal region of the extension structure is positioned adjacent the patient's prostate gland, wherein the distal region of the extension has an at least partially hollow interior that fluidly communicates with the fluid reservoir; and

an ejection mechanism adapted to eject the fluid from the fluid reservoir through the extension structure and out of a plurality of injection orifices provided in the distal region of the extension structure.

12. The device of claim 11, wherein the ejection mechanism is adapted to eject the fluid with sufficient pressure to penetrate the prostate gland while preserving functionality of the prostate gland.

13. The device of claim 11, wherein the fluid includes ethanol.

14. The device of claim 11, wherein at least some of the injection orifices are arranged linearly along the length of the extension structure.

15. The device of claim 11, wherein the injection orifices are arranged in multiple rows along the length of the extension structure.

16. The device of claim 15, wherein the rows are offset from each other.